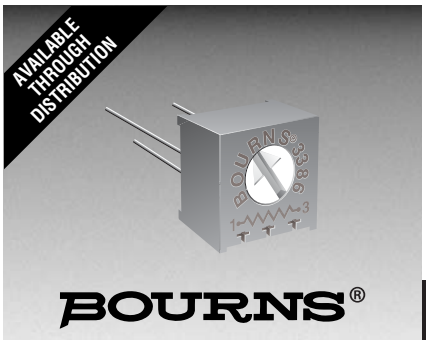
Distributed by:

JAMECO® ELECTRONICS

www.Jameco.com ✦ 1-800-831-4242

The content and copyrights of the attached material are the property of its owner.

Jameco Part Number 241517



BOURNS®

3386 - 3/8 ” Square Trimming Potentiometer

Features

- Single Turn / Cermet / Industrial / Sealed
- Available on tape and reel
- Available with a knob for finger adjust
- Available with extended shaft
- Available with cross-slot rotor
- Top and side adjust types (F, P, H, W, X most popular)
- High voltage types available (see Model 3386 HV2/3386 HV3 for details)

Electrical Characteristics

Standard Resistance Range .....10 to 2 megohms (see standard resistance table)
Resistance Tolerance .....±10 % std. (tighter tolerance available)
Absolute Minimum Resistance .....2 ohms max.
Contact Resistance Variation .....2 % or 3 ohms max. (whichever is greater)
Adjustability
Voltage .....±0.05 %
Resistance .....±0.15 %
Resolution.....Infinite
Insulation Resistance .....500 vdc. 1,000 megohms min.
Dielectric Strength
Sea Level .....900 vac
70,000 Feet .....350 vac
Adjustment Angle .....280 ° nom.

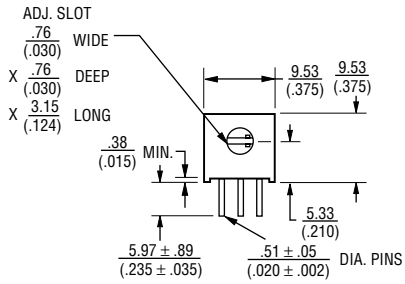
Environmental Characteristics

Power Rating (300 volts max.)
85 °C.....0.5 watt
125 °C.....0 watt
Temperature Range .....-55 °C to +125 °C
Temperature Coefficient .....±100 ppm/°C
Seal Test .....85 °C Fluorinert*
Humidity.....MIL-STD-202 Method 103 96 hours (2 % ΔTR, 10 Megohms min.)
Vibration.....30 G (1 % ΔTR; 1 % ΔVR)
Shock.....100 G (1 % ΔTR; 1 % ΔVR)
Load Life .....1,000 hours 0.5 watt @ 70 °C (3 % ΔTR; 1 % or 1 ohm, whichever is greater, CRV)
Rotational Life.....200 cycles (4 % ΔTR; 1 % or 1 ohm, whichever is greater, CRV)

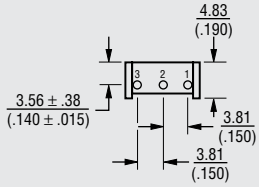
Physical Characteristics

Mechanical Angle .....310 ° nom.
Torque .....5.0 oz-in. max.
Stop Strength .....15.0 oz -in. min.
Terminals .....Solderable pins
Weight .....0.03 oz.
Marking .....Manufacturer’s trademark, resistance code, wiring diagram, date code, manufacturer’s model number and style
Flammability.....U.L. 94V-0
Standard Packaging .....50 pcs. per tube
Wiper.....50 % ±10 %
Adjustment Tool H-90

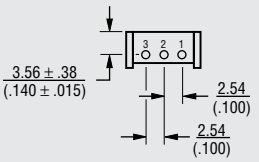
Common Dimensions
Side Adjust



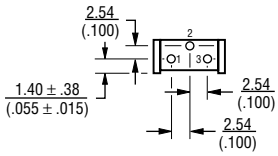
3386B



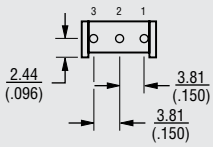
3386C



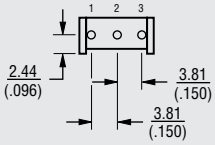
3386H



3386J

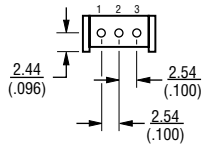


3386S

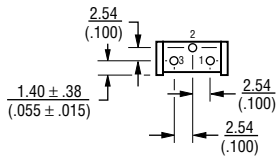


SHADED AREAS NOT RECOMMENDED FOR NEW DESIGNS.

3386W



3386X



Standard Resistance Table

Resistance (Ohms)	Resistance Code
10	**100**
20	**200**
50	**500**
100	**101**
200	**201**
500	**501**
1,000	**102**
2,000	**202**
5,000	**502**
10,000	**103**
20,000	**203**
25,000	**253**
50,000	**503**
100,000	**104**
200,000	**204**
250,000	**254**
500,000	**504**
1,000,000	**105**
2,000,000	**205**

Popular distribution resistance values listed in boldface. Special resistances available.

How To Order

3386 P - 1 - 103 T

Model
Style
Standard or Modified Product Indicator
-1 = Standard Product
-EY5 = Extended Shaft
Resistance Code
Optional Suffix Letter
T = Knob

Consult factory for other available options.

TOLERANCES: ± 0.25 (.010) EXCEPT WHERE NOTED

DIMENSIONS ARE: MM / (INCHES)

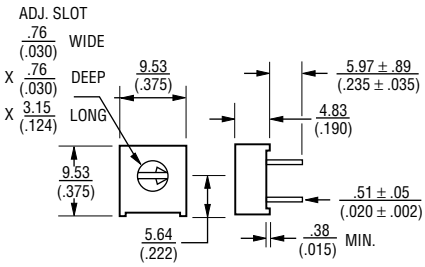
*”FLUORINERT” IS A REGISTERED TRADEMARK OF 3M CO.

Specifications are subject to change without notice.
Customers should verify actual device performance in their specific applications.

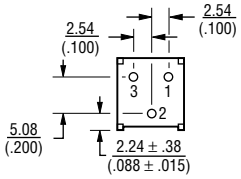
3386 - 3/8 ” Square Trimming Potentiometer

BOURNS®

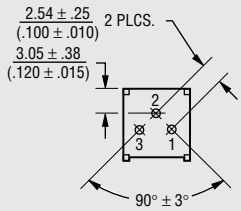
Common Dimensions
Top Adjust



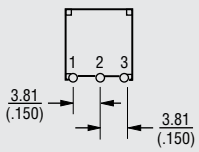
3386F



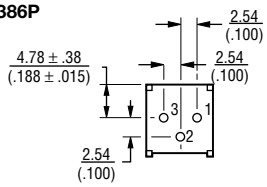
3386K



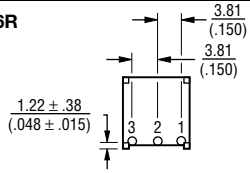
3386M

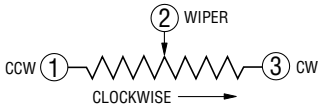


3386P

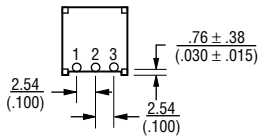


3386R

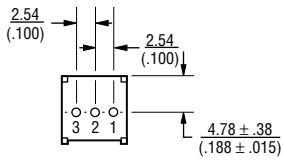




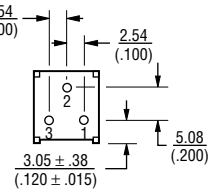
3386T



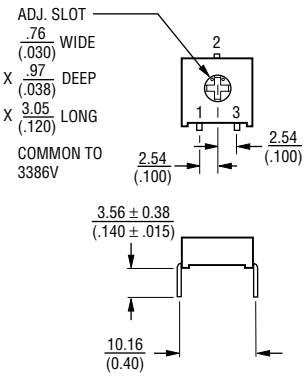
3386U



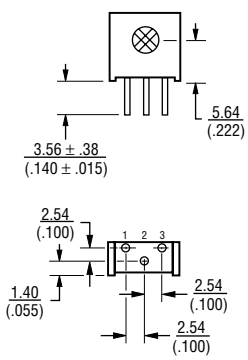
3386Y



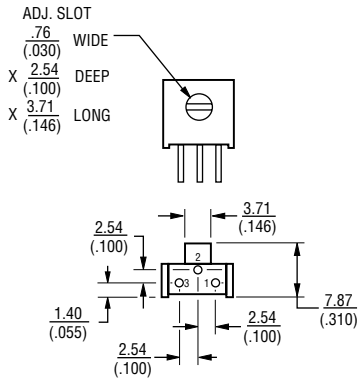
3386G



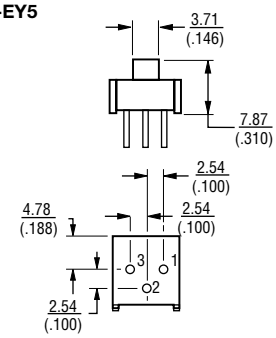
3386V



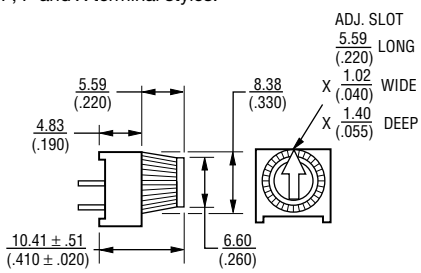
3386H-EY5
3386X-EY5 – SHOWN



3386P-EY5



The Model 3386 is available with a knob for finger adjustment. Add suffix letter "T" to order code for F, P and X terminal styles.



SHADED AREAS NOT RECOMMENDED FOR NEW DESIGNS.

REV. 10/03

Specifications are subject to change without notice.
Customers should verify actual device performance in their specific applications.